

staron[®]
Solid Surfaces

Staron[®] Education Surface Solutions
staron.com.au



ABOUT Staron® Solid Surfaces

Staron® Solid Surfaces is comprised of a natural and safe pure mineral derived from bauxite ore and blended with an advanced pure acrylic resin, resulting in a premium surface material. Staron® Solid Surfaces does not contain any harmful silica and is suitable for endless applications in a commercial or residential project. With a smooth finish and a range of over 90 colours to select from, Staron® is both aesthetically and functionally pleasing.

Staron® is Greenguard® and Greenguard® Gold Certified which means that it is a safe product for use in environments for sensitive individuals such as children and the elderly, and ensures that the product is ideal for use in learning environments. Staron® is the perfect surface solution for unlimited applications in the education industry, from daycare centres, primary schools, high schools, universities and other educational institutions.

The chemical resistance of Staron® makes it suitable for laboratory benchtops in science rooms. Create a clean and hygienic workspace by using Staron® integrated sinks that inconspicuously join to the benchtop with no open joins. The result is a monolithic bench space that is durable and will look great for many years.

Another area that Staron® is suited to are restrooms, where durable surfaces are a necessity. The renewable and non-porous nature of Staron® does not promote the growth of mould, mildew or bacteria. Staron® also provides a non-absorbent nature to odours to improve hygiene. It can also be sanded back to its original condition, which extinguishes graffiti. Staron® can be used as toilet partitions and integrated vanity bowls and tops. Other applications include but are not limited to, wall cladding, integrated student desks, cafeteria tables and stools, servery counters, kitchen benchtops and library counters.

Staron® can be inlaid, creating a blend of colours into one piece. The flexibility of Staron® extends to limitless edge profiles; drop down edges, and splashbacks. All this comes in an environmentally sustainable material, with a 10-Year Limited Warranty.

ABOUT Austaron Surfaces

Austaron Surfaces are the proud distributors of Staron® Solid Surfaces. Austaron Surfaces was established with an aim to provide quality surfaces and finishes to the Australian market. Austaron's product range is utilised by designers, architects, retailers, builders and also extends to consumers. Our products are used across many industry segments including but not limited to: retail, healthcare, entertainment, food service, office fit-outs, residential and many commercial projects. With an industry experienced sales team based in all states of the country, the business works together with project managers and designers on projects from the specification stage, all the way through to delivery of the product. For more information on Austaron Surfaces and their product portfolio, visit:

www.austaron.com.au





The Benefits of Staron® Solid Surface in Education

- Virtually Seamless**
Monolithic installation improves design flow – there are no open joints or seams to trap unwanted dust, fluids or contamination.
- Easy to Maintain:**
Staron is a homogeneous, colour-through product, making it repairable and renewable via light sanding and polishing.
- Non-porous:**
Impervious surface prevents the growth of bacteria or mildew and reduces the possibility of cross-contamination.
- Easy to clean:**
Cleaning and sanitising is accomplished with non-abrasive wipe-on or spray-on products common to healthcare.
- Sustainable in Design:**
Manufactured to strict environmental standards meeting all codes and regulations for interior construction materials.
- Versatile Design:**
Over 90 colours are available from calming neutral to playful bold tones – ideal for healthcare interiors.
- Premium Quality:**
Staron Solid Surface is a quality surface and longer-lasting when compared to other materials – which makes it perfect for high traffic environments.
- Resistant to Stains and Chemicals:**
Resists various chemicals, fluids and contaminants often found in healthcare environments.
- Excellent Durability:**
Superior strength and impact-resistance means less maintenance and a longer, more cost-effective life cycle.
- Homogeneous:**
Staron is a homogeneous product which means there is no surface layer or polishes – it is the same colour and material throughout the thickness of the sheet.

Staron® table top in colour Quasar White.
Design by: Plus Architecture.
Photography by: Vicki Morskate.

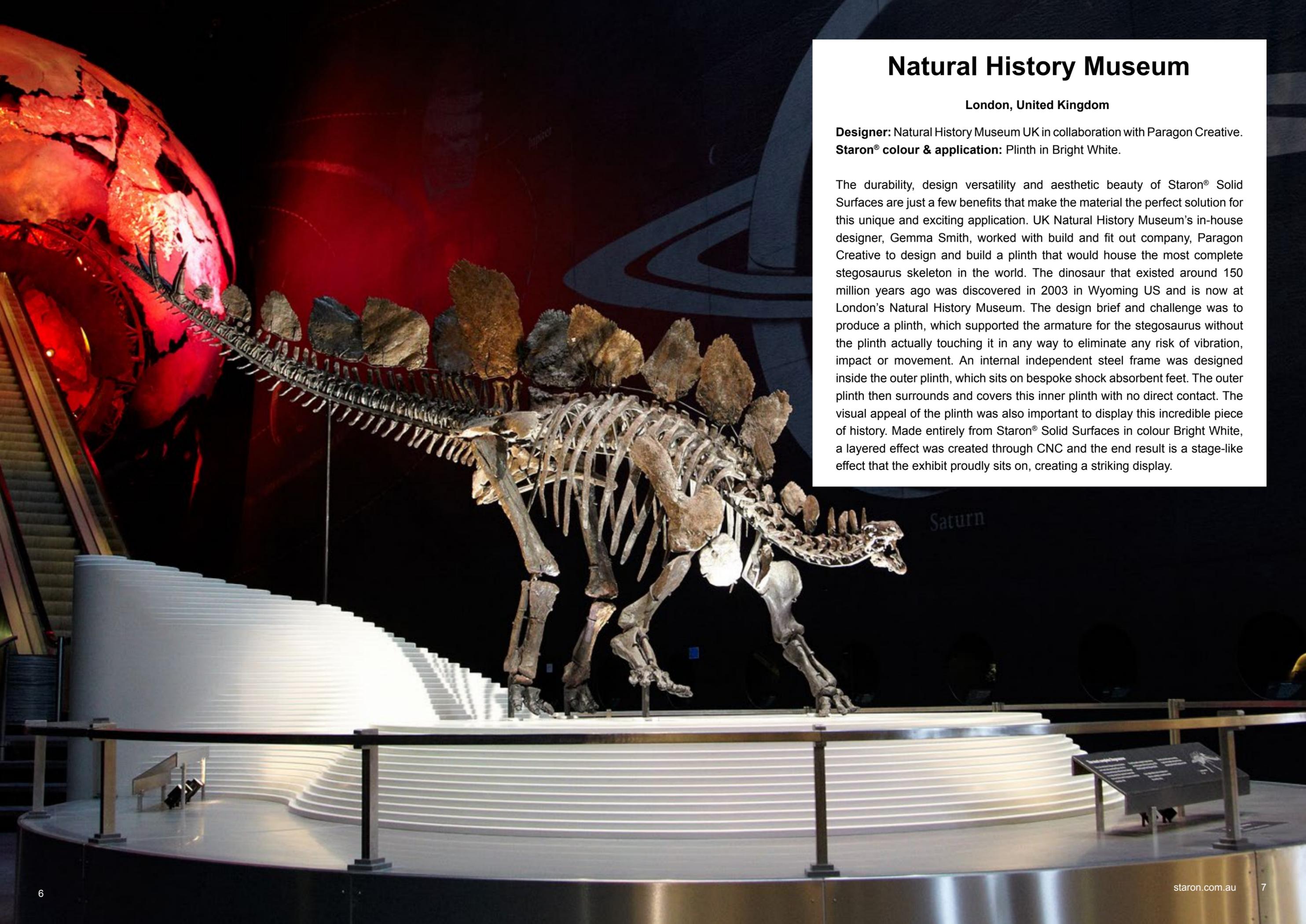
Natural History Museum

London, United Kingdom

Designer: Natural History Museum UK in collaboration with Paragon Creative.

Staron® colour & application: Plinth in Bright White.

The durability, design versatility and aesthetic beauty of Staron® Solid Surfaces are just a few benefits that make the material the perfect solution for this unique and exciting application. UK Natural History Museum's in-house designer, Gemma Smith, worked with build and fit out company, Paragon Creative to design and build a plinth that would house the most complete stegosaurus skeleton in the world. The dinosaur that existed around 150 million years ago was discovered in 2003 in Wyoming US and is now at London's Natural History Museum. The design brief and challenge was to produce a plinth, which supported the armature for the stegosaurus without the plinth actually touching it in any way to eliminate any risk of vibration, impact or movement. An internal independent steel frame was designed inside the outer plinth, which sits on bespoke shock absorbent feet. The outer plinth then surrounds and covers this inner plinth with no direct contact. The visual appeal of the plinth was also important to display this incredible piece of history. Made entirely from Staron® Solid Surfaces in colour Bright White, a layered effect was created through CNC and the end result is a stage-like effect that the exhibit proudly sits on, creating a striking display.

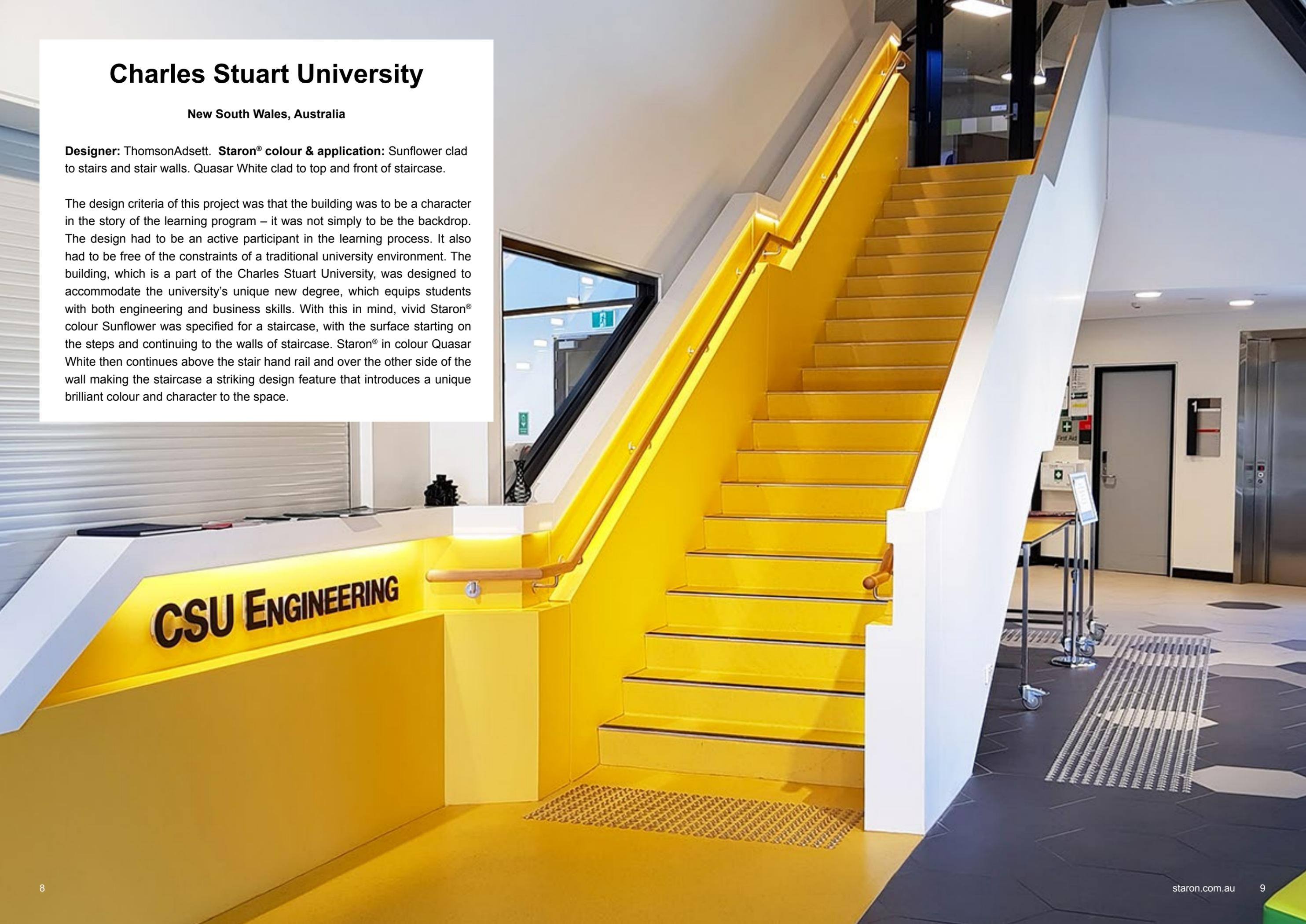


Charles Stuart University

New South Wales, Australia

Designer: ThomsonAdsett. **Staron® colour & application:** Sunflower clad to stairs and stair walls. Quasar White clad to top and front of staircase.

The design criteria of this project was that the building was to be a character in the story of the learning program – it was not simply to be the backdrop. The design had to be an active participant in the learning process. It also had to be free of the constraints of a traditional university environment. The building, which is a part of the Charles Stuart University, was designed to accommodate the university's unique new degree, which equips students with both engineering and business skills. With this in mind, vivid Staron® colour Sunflower was specified for a staircase, with the surface starting on the steps and continuing to the walls of staircase. Staron® in colour Quasar White then continues above the stair hand rail and over the other side of the wall making the staircase a striking design feature that introduces a unique brilliant colour and character to the space.



George Town Hub Child and Family Centre

Tasmania, Australia

Designer: Alex Miles. **Staron® colour & application:** Sanded Cream and Sanded Heron, outdoor play space.

Alex Miles was commissioned by the Tasmanian Government as part of the Tasmanian Government Art Site scheme to produce an interactive, outdoor sculptural work for the newly completed George Town Hub Child and Family Centre. With the known benefits of Staron® in an outdoor application, Alex selected Staron® to create her artwork which she called 'Friends, Family and Something Fishy'. Alex designed five illustrative 'totems' that depict native animals, local landmarks and familiar people from the community. Each is comprised of moveable boxes that rotate and mix and match to form new and fun combinations for children to interact with. The boxes were fabricated completely in Staron® colours Sanded Cream and Sanded Heron. Staron® was selected as it provided a durable, smooth finish and the illustrations could be routed directly into the surface.

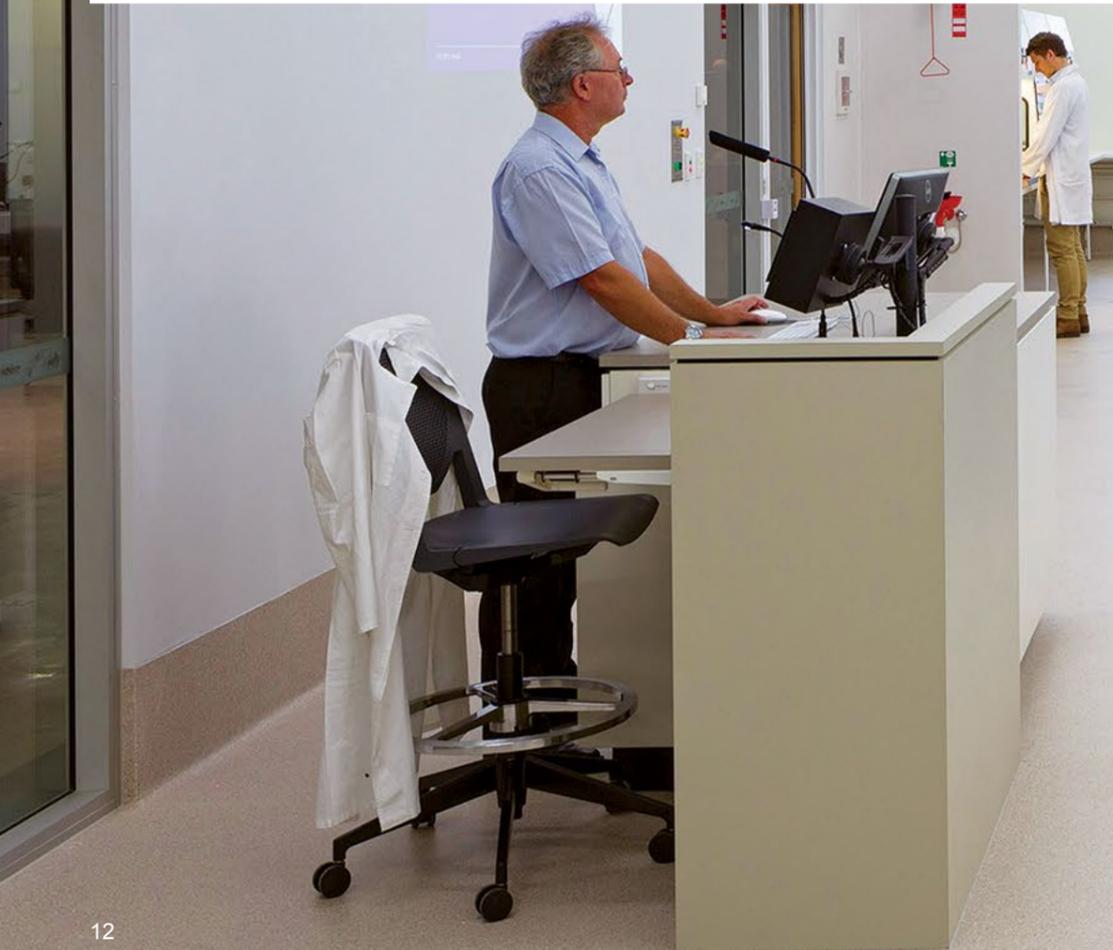


University of Queensland

Queensland, Australia

Designer: Luke Pendergast, Conrad Gargett. **Staron® colour & application:** Aspen Glacier laboratory benchtops. **Photography:** Christopher Frederick Jones.

The Teaching Space Project delivered a High-tech PC2 undergraduate interactive wet laboratory facility. The space has been designed to fill identified key gaps in the school's upper-level undergraduate teaching program. The new teaching facility is located within the Heritage Listed Goddard Building (1961) which forms a part of the University of Queensland's Great Court Complex. The project enables the ability to instruct students in modern biological techniques requiring a high level of containment, and the capacity to deliver small-group tutorial-based instruction within the context of computer-based learning. The aim was to provide, high quality, state-of-the-art teaching spaces that are future oriented and have the facilities and flexibility to teach 21st century biology. Staron® was used for all the benchtop surfaces not only for its visual appearance and design flexibility, but also it is hard wearing, non-porous, chemical resistance and virtually seamless nature - making it an ideal product for a physical containment laboratory design.

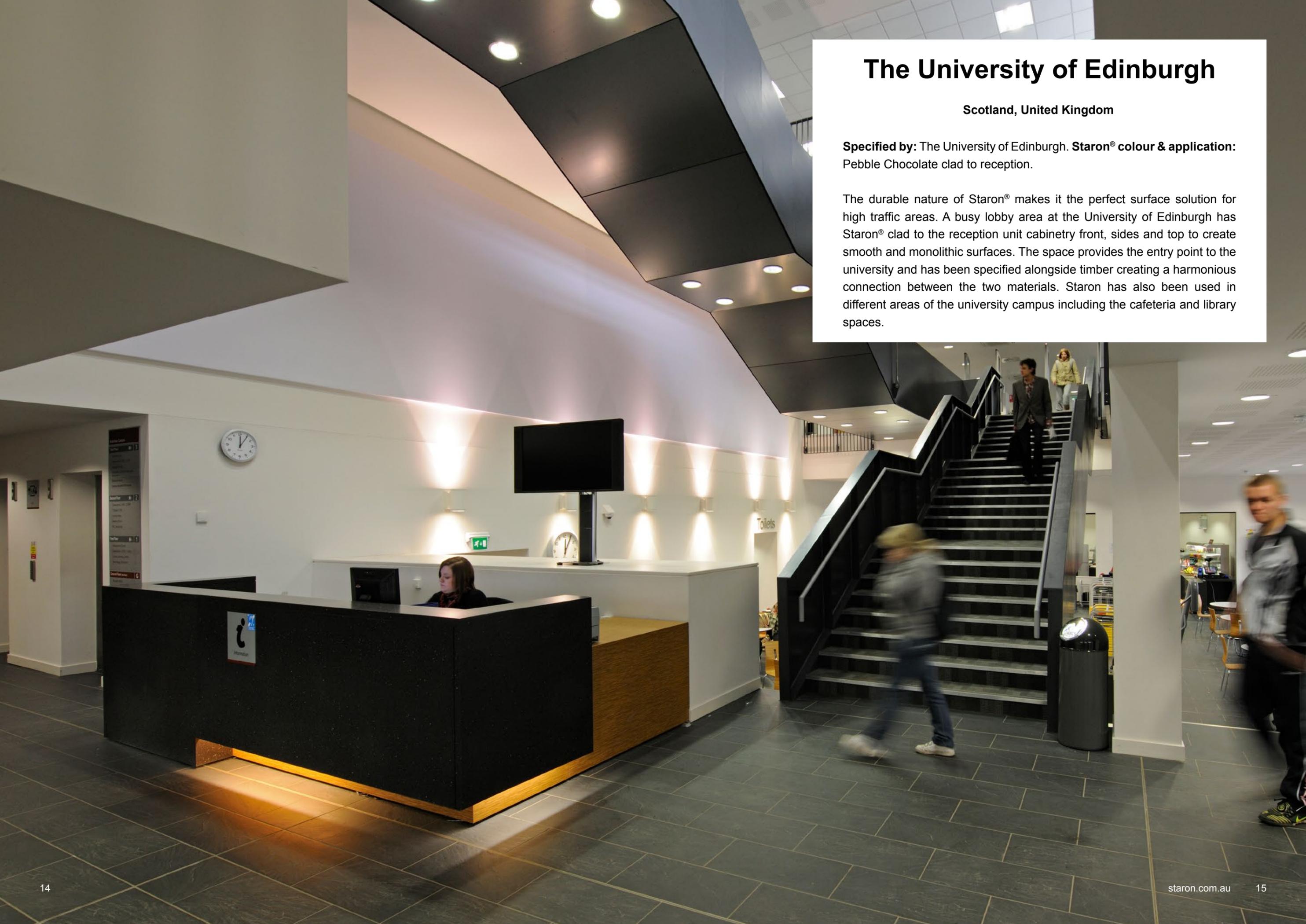


The University of Edinburgh

Scotland, United Kingdom

Specified by: The University of Edinburgh. **Staron® colour & application:** Pebble Chocolate clad to reception.

The durable nature of Staron® makes it the perfect surface solution for high traffic areas. A busy lobby area at the University of Edinburgh has Staron® clad to the reception unit cabinetry front, sides and top to create smooth and monolithic surfaces. The space provides the entry point to the university and has been specified alongside timber creating a harmonious connection between the two materials. Staron has also been used in different areas of the university campus including the cafeteria and library spaces.





Smart Table

Korea

Specified by: Lotte Advanced Materials. **Staron® colour & application:** Supreme Cotton White smart table.

The performance properties of Staron® make it a technologically advanced material. The perfect addition to the surface is the introduction of technology. Lotte Advanced Materials designed a smart table that incorporates, a touch screen, integrated wireless charging and mood lighting. An integrated camera above the touch screen space also enables Air Touch, which recognises hand gestures from a distance to control scrolling / selection from the screen. All this technology is wrapped in a beautifully designed curved Staron® table. The design displays the infinite design possibilities with Staron® in an educational environment to provide innovative learning tools. Similar designs can be adapted for early learning centres, primary schools, universities, museums and libraries.

Education Application Solutions with Staron® Solid Surfaces



RECEPTION / OFFICE

Staron® is available in an extensive selection of colours to make the first entry point of a school feel warm and inviting. Staron® can be thermoformed for curves, and it can also be inlaid using multiple colours to create interest. Computers and equipment can be housed in custom designed Staron® hubs and storage spaces.



FURNITURE

The hygienic and low maintenance of Staron® makes it the perfect solution for use in furniture throughout a school / education environment. Create integrated desk spaces, library shelving, service counters, seating areas. All with no open joints, just one continuous surface.



PLAYGROUNDS

The durability of Staron® makes it a surface solution for outdoor playground use. Create curved and carved pieces designed for interactive play for children of all ages. The thermoformability of Staron® also means that curved edges will provide a safe play area. Extend the surface to outdoor benches and tables.



LABORATORIES

Staron® can be shaped and formed to create workspaces and areas that are suited and organised for laboratory work. Shelves, sinks and storage compartments can be designed to ensure that the requirements of the students are met for a productive workspace. The non-porous and chemical resistance of Staron® also makes it the perfect surface solution.



AUDITORIUMS

The thermoformability of Staron® creates curves that can extend around the angles of auditoriums for long tables and benches to maximise seating spaces for students. The easy maintenance and strong durability also makes the surface suitable for wall cladding, shelving and other furniture.

RESTROOM FACILITIES

Staron® can be used for hygienic wall cladding throughout a restroom facility with no open joints. Staron® can also extend to toilet partitions, integrated sinks and clad to columns. Create hygienic surfaces to promote a healthy environment.



WALL CLADDING

Create entire building façades with Staron® Solid Surfaces. Staron® can be fabricated into virtually any desired shape to follow the angles of a building. The maintenance of the surface is also convenient and is renewable by simple cleaning or sanding. Staron® is also resistance to stain or environmental pollutants. It is non-porous and has a low rate of water absorption.



INTERACTIVE LEARNING

The vivid colours of Staron® can be used to create bright and interactive learning tools to stimulate the mind. The versatility of Staron® also provides a surface solution to integrate with technology for touch screens, back lighting and wireless device charging.



CANTEEN / CAFETERIAS

Staron® meets NSF51 National Sanitation Foundation Accreditation for safe food hygiene, which means it is a practical surface for commercial kitchens. The surface will not promote the growth of bacteria when exposed to food, so it is a suitable surface for all food contact areas making it the perfect surface solution for canteens and cafeterias.



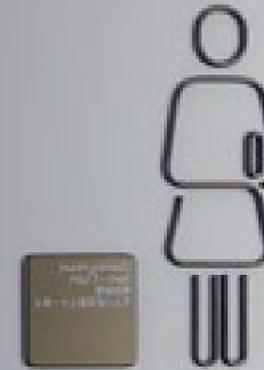
HEALTHY SPACES

Staron® is non-toxic and does not contain harmful silica. This provides a peace of mind that when you specify Staron® in any type of education application, it will provide a safe and healthy space to students and staff of all ages.



Wall Cladding

The seamless nature of Staron® Solid Surfaces makes it suitable for wall cladding in any type of education environment. Walls can be created with one smooth, long and continuous surface with no open joints or dirt-trapping crevices, creating a hygienic finish that is easy to wipe clean. The thermoformability of Staron® allows the creation of curves for added design freedom. Seating, reception areas, lobbies, hallways or washbasins can be integrated virtually seamlessly onto walls that curve around corners, and all the way up to the ceiling. Columns can also be clad in Staron® and create limitless shapes, designs or forms. **Staron® Evermoin®** is an antimicrobial solid surface that is ideal for wall cladding applications in an environment where hygiene is important as it **actively kills bacteria**. [For more information on Staron® Evermoin® click here.](#)



Integrated Staron® Sinks

Staron® offers a selection of standard sinks and vanity bowls. Custom designed sinks can also be made to create a specific required size. Staron® sinks are joined to the Staron® benchtop with a special Staron® adhesive, and sanded. The result is a monolithic surface that continues from the bench to the sink in one smooth and continuous surface. No open joins and no dirt trapping crevices. Staron® integrated sinks are the perfect solution for laboratory classrooms due to the materials chemical resistance.

[Click here to view the entire Staron® sink collection.](#)

Staron® Solid Surface Certification

Food Zone Contact Approved



Certified to
ANSI/NSF 51



Staron® benches made with colours: Bright White, Sunflower, California Poppy and Onyx.

[Click here to view Performance Properties](#)

BACTERIAL RESISTANCE

Test method: ASTM G 22 (Determining Resistance of Plastics to Bacteria)
Strains: Pseudomonas Aeruginosa (ATCC 13388)
 Culture condition: 96.8 +/- 1.8°F(36 +/- 1°C), 90%RH, 21 days

Culture Time	0 WEEK	1 WEEK	2 WEEKS	3 WEEKS
RESULT	0	0	0	0

CHEMICAL RESISTANCE

Test method: Apply 3 drops of each chemical reagent on the surfaces of Staron® Solid Surfaces. Expose the sample for 16 hours; covered with glass plate and uncovered. Check the surface and scrub the surface with a wet Scotch-Brite® Pad and bleaching cleanser such as Ajax®.

Test Result: THE RESIDUE FROM THE FOLLOWING CHEMICAL REAGENTS CAN BE REMOVED WITH A WET SCOTCH-BRITE PAD AND BLEACHING CLEANSER.

Acetic acid (10%) Acetone Ammonium hydroxide (5,28%) Ammonia Amyl alcohol Amyl acetate Ball point pen Benzene Bleach (household type) Blood Butyl alcohol B-4 body conditioner Calcium thiocyanate (78%) Carbon disulfide Carbon tetrachloride Citric acid (10%) Coffee Cottonseed oil Cigarette (nicotine and tar) Cooking oils Cupra ammonia Ethanol Dishwashing liquid/powders Ethyl acetate Ethyl ether	Formaldehyde Gasoline Gentian violet Grape juice Hair dyes Household soaps Hydrogen peroxide Hydrochloric acid (20,30,37%) Iodine (1%) Ketchup Lemon juice Lipstick Mercurochrome (2%) Methyl ethyl ketone Methyl red (1%) Methanol Methyl orange (1%) Mustard Mineral oil Nail polish Naphthalene N-hexane Olive oil Perchloric acid	Pencil lead Permanent marker pen Soapless detergents Shoe polish Sodium bisulfate Soy sauce Sulfuric acid (25,33,60%) Sodium hydroxide solution (5,10,25,40%) Sodium sulfate Sugar (sucrose) Sulfuric acid (25,33,60%) Tetrahydrofuran Tea Toluene Urea (6%) Tomato juice Uric acid Vinegar Washable inks Wine Xylene Zinc Chloride
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DURABILITY

Properties	Tensile Strength	Flexural Strength	Flexural Modulus	Elongation	Gloss [60 Gardner]	Abrasion Resistance
Test Procedure	ASTM D 638	ASTM D 790	ASTM D 790	ASTM D 638	NEMA LD-3	ANSI Z 124
Result	6,000 psi	10,000 psi	1,000,000 psi	0.50%	5-20	Pass

FIRE RESISTANCE

AS/NZS 1530.3:1999 Fire Testing - Simultaneous determination of ignitability, flame propagation, heat release and smoke release.

Test Method: Staron® has been tested in accordance with **Australian Standard 1530**, method for fire tests on building components and structures, Part 3: Simultaneous determination of ignitability, flame propagation, heat release and smoke release, 1999. For the test, each sample was clamped to the specimen holder in four places.

Test Result:

Ignitability Index (0-20)	Spread of Flame Index (0-10)	Heat Evolved Index (0-10)	Smoke Developed Index (0-10)
11	0	2	0-1

Staron® has also been tested within accordance of: **AS/NZ 3837 - Wall & Ceiling Linings Cone Calorimeter Test.**

SLIP RESISTANCE

Staron® has been tested within accordance of **AS/NZS 4586**. For full test results visit staron.com.au



Evermoin® by Staron® is an ideal surface solution for applications that are exposed to sensitive people and/or animals such as the sick, elderly or children. It provides the hygiene and design versatility of Staron®, with a bacteria killing, antibacterial inclusion. Standard Staron® suppresses fungal and bacteria due to its non-porous nature, while Staron® Evermoin® **actively kills** bacteria. Evermoin® anti-microbial surfaces from Staron® can be used in almost any interior space. Create nurses workstations and wall cladding in a functional and renewable material that is durable as well as ultra-hygienic. Achieve the perfect blend of simplicity in design with an anti-microbial surface engineered for a healthier life.

[Click here to view detailed brochure](#)

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<u>Specifications</u>	<u>State</u>	<u>Trade</u>
0439 446 986	Sydney	0417 417 624
0439 446 986	Newcastle	0417 417 624
0455 666 816	NSW	0455 666 816
0455 666 816	ACT	0455 666 816
0407 842 037	VIC	0403 287 597
0417 189 121	WA	0417 189 121
0407 617 040	SA	0407 617 040
0419 779 173	Brisbane South	0419 779 173
0414 481 319	Brisbane North	0414 481 319
0414 481 319	F.N.Q.	0428 267 685
0414 481 319	NT	0428 267 685
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